



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

651.6001-B
Job Sheet 170794



Part No: 651.6001-B

Job Qty: 1 ea

Part Name: Bell 505 Emergency Float System



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/19/18

Job Tracking No:

Due Date: 2/23/18

Created By: Chantal Lavoie

Type: Stock

Description:

Note: 651.6001 rev.b IPP REV:A 18.01.12 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Purchasing	1 pcs		2/23/18	0.00	0.00	Purchasing		AT 18/02/13
120	Packaging	1 pcs		2/23/18	0.00	0.00	Packaging2		A 7/18/02/13
130	QC	1 pcs		2/23/18	0.00	0.00	QC6		
140	Packaging	1 pcs		2/23/18	0.00	0.00	Packaging2		SMB
150	QC21-SA	1 Ea		2/23/18	0.00	0.00	QC21		

Part Op Descriptions: 110 - Issue P/O: 038827 Purchase part #: 651.6001 Supplier: VISTA Material release note is required

DAS
13
0-09

JAN 19 2018

P/KO

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
651.6001P	Bell 505 Emergency Float System	1 Ea (1 ea)	110-Purchasing	

Part Specifications

Specifications could not be found.

Plex 1/19/18 12:38 PM dart.lavoie.chantal

DART
AEROSPACE
S042017



PART NO: 651.6001
Original Serial #: S042017
Revision: B
Operation: Purchasing
Change No:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Mfg Date: 02/13/18
Job No: 170794



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200



651.6001-B
Job Sheet 170794



(Kit #2)

Part No: 651.6001-B

Job Qty: 1 ea

Part Name: Bell 505 Emergency Float System



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/19/18

Job Tracking No:

Due Date: 2/23/18

Created By: Chantal Lavoie

Type: Stock

Description:

Note: 651.6001 rev.b IPP REV:A 18.01.12 NEW ISSUE DD VERF:JFS

Ship Via:

PRELIMINARY ISSUE

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Purchasing	1 pcs		2/23/18	0.00	0.00	Purchasing		
120	Packaging	1 pcs		2/23/18	0.00	0.00	Packaging2		
130	QC	1 pcs		2/23/18	0.00	0.00	QC6		
140	Packaging	1 pcs		2/23/18	0.00	0.00	Packaging2		
150	QC21-SA	1 Ea		2/23/18	0.00	0.00	QC21		

Part Op Descriptions: 110 - Issue P/O: _____ Purchase part #: 651.6001 Supplier: VISTA Material release note is required

EFFECTIVE _____ AUTH _____
RELEASED _____ DATE _____

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
651.6001P	Bell 505 Emergency Float System	1 Ea (1 ea)	110-Purchasing	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Purchasing	651.6001P	1	0	0

Part Specifications

Specifications could not be found.

ARC 2106-2 / 2106-2A (Lavoie)

Plex 2/6/18 8:34 AM Dart.lajeunesse.marie

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					

V1026955

Bell 505 Float System conformity Report (651.6001) S/N of Kit: V1025219

Part No	Qty	Component Part/Item	Component Name	Tracking / B/S Number	Certification Document Attached
651.6001-B	1	651.9410-NC	Gauge Glass <i>B4</i>		
<i>B4</i>	1	600.0927	Mastinox		
<i>B1</i>	1	601.0752-G	Loop Clamp 1" ID (Dg16)		
<i>B4</i>	1	601.2045	RTV (LOCTITE 598)		N/A
<i>B1</i>	1	601.2337	Epoxy (Itw Devcon 14270)	<i>EXP. 3/01/20</i>	N/A
<i>B7</i>	1	601.4081	- 6 Bulkhead Branch Tee		
<i>B2</i>	1	614.2302-F	Handle Assembly		
	1	624.2213-C	Bulkhead Doubler		
<i>B8</i>	1	651.6101-NC	Cylinder Bracket Assembly		
<i>B8</i>	1	651.6102-NC	Reservoir Bracket Assembly		
<i>B3</i>	1	651.8710-NC	Doubler		
<i>B2</i>	1	651.9411-NC	Gauge Collar		
<i>B4</i>	1	601.1745-A	Label Graph For Cylinder (Float Cylinder Pressure)		
<i>B7</i>	1	602.4301-NC	Hose Assembly	<i>V1016202</i>	
	1	634.9701-G	Float Placard		
<i>—</i>	1	651.5901-B	Skid Extension Assembly, LH ✓		
<i>—</i>	1	651.5902-B	Skid Extension Assembly, RH ✓		
<i>—</i>	1	651.6303-NC	LH Float Assembly, Aft ✓	<i>25704</i>	
<i>—</i>	1	651.6304-NC	RH Float Assembly, Aft ✓	<i>25710</i>	
<i>—</i>	1	651.6501-A	Bell 505 Reservoir Assembly ✓	<i>V1023489</i>	
<i>B5</i>	1	651.7001-NC	Pull Cable Assembly	<i>V1017135</i>	
<i>—</i>	1	651.8001-NC	LH Mid Float	<i>25578</i>	
<i>—</i>	1	651.8002-NC	RH Mid Float	<i>25588</i>	
<i>—</i>	1	651.8801-NC	LH Forward Float	<i>25882</i>	
<i>—</i>	1	651.8802-NC	RH Forward Float	<i>25852</i>	<i>S/N: V1023500</i>
<i>B1</i>	2	601.0718	Cotter Pin		N/A
<i>B1</i>	2	601.0757	Bolt		N/A
<i>B7</i>	2	601.1516-NC	Union Tee		
<i>B1</i>	2	601.3708	Rivnut		N/A
	2	601.4108	Washer NAS1149C0963R		N/A
<i>B5</i>	2	602.4302-NC	Hose	<i>17005 / V1016285</i>	
<i>B6</i>	2	602.4311-NC	Hose Assembly	<i>V1020406 / 20409</i>	
<i>B6</i>	2	602.4314-NC	Hose	<i>21075</i>	
<i>B7</i>	2	602.4315-NC	Hose	<i>21076</i>	
<i>B6</i>	2	651.2601-NC	T-Bolt Loop Clamp Assembly	<i>09797 / 09798</i>	
<i>B1</i>	3	601.1451	Stud Adhesive Bonded (CB3000 CR 3-8P)		N/A
<i>B2</i>	3	624.2214-C	L-Bracket		
<i>B1</i>	3	601.1641	Spiral Wrap		N/A
<i>B3</i>	4	601.2199	Bracket MS9592-008		
<i>B2</i>	4	601.4105	Loop clamp MS21919WDG19		
<i>B1</i>	6	601.079	Rivet, 100 Flush Hd, 1/8 Dia X 1/4 Grip, Alum		N/A
<i>B3</i>	6	601.0896	Loop Clamp		
<i>B3</i>	7	601.0945	Loop Clamp (MS21619WDG11)		
<i>B2</i>	8	614.9410-A	Sleeve Assembly		
<i>B2</i>	8	NAS1329H3K280	Rivnut		N/A
<i>B1</i>	9	601.0733	Bracket 90° (MS9592-054)		
<i>B1</i>	12	601.097	Locknut 1/4 X 28 (MS21043-4)		N/A
<i>B2</i>	12	601.4079	Bolt		N/A

→

Bell 505 Float System conformity Repot (651.6001) S/N of Kit:

Part No	Qty	Component Part/Item	Component Name	Tracking / B/S Number	Certification Document Attached
B1	14	601.4068	Bolt		N/A
B1	16	601.0797	Loop Clamp (MS21919WDG3)		
B1	16	651.7210-NC	Girt Wedge		
	17	601.4107	Rivet MS20470E6-8		N/A
B2	21	601.4106	Loop clamp MS21919WDG7		
B1	24	601.2421	Washer		N/A
B1	24	601.2669	Bolt		N/A
B3	24	NAS6203-5	Bolt		N/A
B2	32	601.4095	Cherry Rivet		N/A
B2	37	601.072	Bolt AN3C5A		N/A
B1	37	601.1773	Rivet		N/A
B1	48	601.3663	Washer		N/A
B1	54	601.0789	Nut (MS21043-3)		N/A
B2	56	CR7341S-06-06	Rivet, Countersunk		N/A
B1	106	601.0774	Washer		N/A

Instected By:

Vista:

HBV:



Dart Aerospace Ltd.
3030 Enterprise Courte, Suite A
Vista, CA 92081-8347

Certificate of Conformance

Date: 2/9/2018

Certification To: Dart Aerospace Ltd
1270 Aberdeen Street
Hawkesbury ON K6A 1K7
Canada

PART INFO

"This is to certify that the items identified herein have been manufactured, assembled, inspected and/or tested in accordance with all Apical Industries, Inc. dba Dart Aerospace applicable specifications, drawings and other purchase order requirements."

Customer Part No: 651.6001

Part Name: Bell 505 Emergency Float System

Quantity: 1

Serial No(s): VI026955

Original Serial No(s): VI026955

Dart Vista Part No: 651.6001

Customer Part Rev Level:

Customer PO No: PO038827

Revision: B

Remit to: DART Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario K6A 1K7 Canada

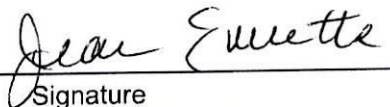
Tel: 613 632 5200

Fax: 613 632 5246

accounting@dartaero.com

GST/HST 10127 2607

Note: A minimum 15% restocking fee is applicable. Custom items are non-refundable. Full warranty details are available at www.dartaerospace.com

 2-10-18
Signature Date



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO038827**

Supplier: API001-VU
Apical Industries
3030 Enterprise Court Suite A
Vista, CA 92081-8347 USA
Phone: 760 509 1615

PO No: PO038827

PO Date: 1/19/18

Due Date: 2/12/18

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Phone:

E-MAILED

JAN 19 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments: order no: 2106
order taken: Caitlin Crooks
sold to: Bell Helicopter Textron

Items

Line Item	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	651.6001P	Bell 505 Emergency Float System	Firmed	2/12/18	1 Ea	0 Ea	1 Ea	\$66,890.00/Ea	\$66,890.00
Line Item Note job #170791									
2	651.6001P	Bell 505 Emergency Float System	Firmed	2/19/18	1 Ea	0 Ea	1 Ea	\$66,890.00/Ea	\$66,890.00
Line Item Note job #170792									
3	651.6001P	Bell 505 Emergency Float System	Firmed	2/21/18	1 Ea	0 Ea	1 Ea	\$66,890.00/Ea	\$66,890.00
Line Item Note JOB #170793									
4	651.6001P	Bell 505 Emergency Float System	Firmed	2/23/18	1 Ea	0 Ea	1 Ea	\$66,890.00/Ea	\$66,890.00
Line Item Note job #170794									
5	651.6001P	Bell 505 Emergency Float System	Firmed	3/1/18	1 Ea	0 Ea	1 Ea	\$66,890.00/Ea	\$66,890.00
Line Item Note job #170795									
								Grand Total: \$334,450.00	

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A034 INTER COMPANY SHIPPERS

[Handwritten signature]

Plex 1/19/18 12:51 PM dart.lavoie.chantal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

ORDER ACKNOWLEDGEMENT

CUSTOMER

Customer Code: CBELL02

Sold To: Bell Helicopter Textron
12,800 Rue De L'Avenir
Mirabel QC J7J 1R4
Canada
Phone: (450) 971-6500
Fax: (450) 971-4016

Ship To: Bell Helicopter Textron
12,800 Rue De L'Avenir
Mirabel QC J7J 1R4
Canada
Phone: (450) 971-6500

ORDER

Order No : 2106

Date: 12/19/17

Ship-To Contact: Nadine Thibault

Email: nthibault@bh.com

Cust PO No: 4501041142

FOB: Shipping Point

Ship Via: See comments below

Freight Terms: PrePaid

Terms: Net 60

INCO Terms: Ex Works

Order Taker: Caitlin Crooks

Order Taker Phone:

Order Taker Email: ccrooks@dartaero.com

Line No	Due Date	Ship Date	Part	Description/Note	Quantity	Unit	Price	Unit	Extended Price
1	2/16/18	2/16/18	651.6001	Bell 505 Emergency Float System	1	pcs	\$66,890.00USD	pcs	\$66,890.00 USD
2	2/23/18	2/23/18	651.6001	Bell 505 Emergency Float System	1	pcs	\$66,890.00USD	pcs	\$66,890.00 USD
3	2/27/18	2/27/18	651.6001	Bell 505 Emergency Float System	1	pcs	\$66,890.00	pcs	\$66,890.00
4	3/1/18	3/1/18	651.6001	Bell 505 Emergency Float System	1	pcs	\$66,890.00	pcs	\$66,890.00
5	3/9/18	3/9/18	651.6001	Bell 505 Emergency Float System	1	pcs	\$66,890.00	pcs	\$66,890.00
Sub Total									\$334,450.00 USD
Grand Total									\$334,450.00 USD

ORDER NOTES

ADVANCED SHIPPING NOTIFICATION IN THE PORTAL WILL BE REQUIRED
DO NOT INSURE SHIPMENTS

PARTS COMING IN FROM VISTA

651.6001-B

REV. B

Remit to: DART Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario K6A 1K7 Canada

Tel: 613 632 5200

Fax: 613 632 5246

accounting@dartaero.com

GST/HST 10127 2607

Note: A minimum 15% restocking fee is applicable. Custom items are non-refundable. Full warranty details are available at www.dartaerospace.com

Plex 1/12/18 10:24 AM dart.crooks.caitlin

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

(Provide at least three copies to airline.)

Shipper JEAN EVERETTE APICAL INDUSTRIES, INC. dba DART 3030 ENTERPRISE COURT SUITE A VISTA CA 92081 US		Air Waybill No. 727383163339 Page 1 of 1 Page(s) Shipper's Reference Number (optional)	
Consignee Eric Downing / Caitlin Dart Aerospace 1270 Aberdeen Hawkesbury ON K6A1K7 CA		FX 18 Compliant FedEx Express CAFE3108	
Two completed and signed copies of this Declaration must be handed to the operator		WARNING Failure to comply with all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.	
TRANSPORT DETAILS			
This shipment is within the limitations prescribed for: (delete non applicable)	Airport of Departure VISTA		
PASSENGER AND CARGO AIRCRAFT			
Airport of Destination: Hawkesbury T8YMXA		Shipment type: (delete non applicable) NON-RADIOACTIVE	
NATURE AND QUANTITY OF DANGEROUS GOODS UN Number or identification Number, proper shipping name, Class or Division (subsidiary risk), packing group (if required), and all other required information. UN 1046, Helium, compressed, 2.2//1 PLYWOOD BOX X 0.6 kg//200			
Additional Handling Information FOR CHEMICAL EMERGENCY ALL INFOTRAC, ID# 73918			
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and National Governmental Regulations. I declare that all of the applicable air transport requirements have been met.		Name/Title of Signatory JEAN EVERETTE/SHIPPING Place and Date VISTA, CA 02/09/2018 Signature (see warning above) JEAN EVERETTE 	
3523233500 Emergency Telephone Number			
FOR RADIOACTIVE MATERIAL SHIPMENT ACCEPTABLE FOR PASSENGER AIRCRAFT, THE SHIPMENT CONTAINS RADIOACTIVE MATERIAL INTENDED FOR USE IN OR INCIDENT TO RESEARCH, MEDICAL DIAGNOSIS OR TREATMENT. ADR EUROPEAN TRANSPORT STATEMENT: CARRIAGE IN ACCORDANCE WITH 1.1.4.2.1			

Kit #
1

Job # 3035

Printed
2/21/21 13
5

KIT S/N	Original S/N	Qty	Part#	Rev	Part Name	Tracking#
VI026955	VI025279	12	601.097		Locknut 1/4 X 28 (MS21043-4)	188450
VI026955	VI025281	3	601.1451		Stud Adhesive Bonded (CB3000 CR 3-8P)	189811
VI026955	VI025280	2	601.1516	NC	Union Tee	
VI026955	VI025282	3	601.1641		Spiral Wrap	81801
VI026955	VI026395	1	601.1745	A	Label Graph For Cylinder (Float Cylinder Pressure)	VI026256
VI026955	VI025283	37	601.1773		Rivet	124871
VI026955	VI022711	1	601.2045		RTV (LOCTITE 598)	VI012386
VI026955	VI025284	4	601.2199		Bracket MS9592-008	106054
VI026955	VI025285	1	601.2337		Epoxy (Itw Devcon 14270)	188191
VI026955	VI025286	24	601.2421		Washer	192856
VI026955	VO02235	16	601.3663		Washer	165725
VI026955	VI025308	32	601.3663		Washer	176248
VI026955	VI025309	2	601.3708		Rivnut	161483
VI026955	VI025319	1	614.2302	F	Handle Assembly	N/A
VI026955	VI025080	2	651.2601	NC	T-Bolt Loop Clamp Assembly	VI025080
VI026955	VI025320	8	614.941	A	Sleeve Assembly	
VI026955	VI025323	1	634.9701	G	Float Placard	192784
VI026955	VO01720	12	601.4079		Bolt	192332
VI026955	VO01716	6	601.4068		Bolt	195109
VI026955	VI025310	8	601.4068		Bolt	195860
VI026955	VI025306	24	601.2669		Bolt	
VI026955	VI025322	3	624.2214	C	L-Bracket	192189
VI026955	VI025328	56	CR73415-06-06		Rivet, Countersunk	
VI026955	VI025733	2	601.0718		Cotter Pin	136337
VI026955	VO03853	10	601.072		Bolt AN3C5A	192606
VI026955	VI026958	27	601.072		Bolt AN3C5A	192839
VI026955	VI025738	1	651.871	NC	Doubler	N/A
VI026955	VI016285	1	602.4302	NC	Hose	VI016285
VI026955	VI018771	1	602.4302	NC	Hose	17005
VI026955	VI025740	1	651.9411	NC	Gauge Collar	
VI026955	VI025952	1	651.8802	NC	RH Forward Float	VI025952
VI026955	VI025882	1	651.8801	NC	LH Forward Float	VI025882
VI026955	VI025528	1	651.8002	NC	RH Mid Float	VI025528
VI026955	VI025578	1	651.8001	NC	LH Mid Float	VI025578
VI026955	VI025770	1	651.6304	NC	RH Float Assembly, Aft	VI025770
VI026955	VI025704	1	651.6303	NC	LH Float Assembly, Aft	VI025704
VI026955	VI026926	1	651.6102	NC	Reservoir Bracket Assembly	
VI026955	VI026925	1	651.6101	NC	Cylinder Bracket Assembly	
VI026955	VI025311	32	601.4095		Cherry Rivet	195071
VI026955	VI025327	8	NAS1329H3K280L		Rivnut	195169
VI026955	VI025326	24	NAS6203-5		Bolt	
VI026955	VI021075	1	602.4314	NC	Hose	VI021075
VI026955	VI021076	1	602.4314	NC	Hose	VI021076
VI026955	VI016202	1	602.4301	NC	Hose Assembly	VI016202
VI026955	VI020444	1	602.4311	NC	Hose Assembly	VI020444
VI026955	VI020446	1	602.4311	NC	Hose Assembly	VI020446
VI026955	VI017135	1	651.7001	NC	Pull Cable Assembly	VI017135
VI026955	VI026771	1	651.941	NC	Gauge Glass	N/A
VI026955	VI025272	9	601.0733		Bracket 90° (MS9592-054)	195511
VI026955	VI026309	1	601.4081		- 6 Bulkhead Branch Tee	
VI026955	VI009797	1	602.4315	NC	Hose	VI009797
VI026955	VI009798	1	602.4315	NC	Hose	VI009798
VI026955	VI026928	16	651.721	NC	Girt Wedge	VI026924
VI026955	VI025312	4	601.4105		Loop clamp MS21919WDG19	N/A
VI026955	VI026769	1	600.0927		Mastinox	194718
VI026955	VI025273	1	601.0752	G	Loop Clamp1" ID (Dg16)	188364
VI026955	VI025274	2	601.0757		Bolt	195511
VI026955	VI025275	106	601.0774		Washer	185719
VI026955	VI025276	54	601.0789		Nut (MS21043-3)	183842
VI026955	VI025277	6	601.079		Rivet, 100 Flush Hd, 1/8 Dia X 1/4 Grip, Alum	188450
VI026955	VI025734	16	601.0797		Loop Clamp (MS21919WDG3)	193072
VI026955	VI025313	21	601.4106		Loop clamp MS21919WDG7	
VI026955	VI025314	17	601.4107		Rivet MS20470E6-8	N/A
VI026955	VI025315	2	601.4108		Washer NAS1149C0963R	N/A
VI026955	VI023489	1	651.6501	A	Bell 505 Reservoir Assembly	VI023489

KIT S/N	Original S/N	Qty	Part#	Rev	Part_Name	Tracking#
VI026955	VI026921	1	651.5901	B	Skid Extension Assembly, LH	NA
VI026955	VI026922	1	651.5902	B	Skid Extension Assembly, RH	N/A
VI026955	VI025735	6	601.0896		Loop Clamp	
VI026955	VI025278	7	601.0945		Loop Clamp (MS21619WDG11)	169097
VI026955	VI025312	4	601.4105		Loop clamp MS21919WDG19	N/A



ACCEPTANCE TEST PROCEDURE DATA SHEET FOR HOSE ASSEMBLIES

Acceptance Criteria: All measurement and testing criteria as required per applicable drawing and MPP-165 meet passing requirements and are within tolerances.

No.	PN	REV	SN	Crimp Diameter (Pass/Fail)	Inner Diameter (Pass/Fail)	Hose Length (Pass/Fail)	Visual Exam (Pass/Fail)	Pressure Test (Pass/Fail)
1	602-4315	N/C	9798	PASS	PASS	PASS	PASS	PASS
2	602-4315	N/C	9797	PASS	PASS	PASS	PASS	PASS
3								
4								
5								
6								
7								
8								
9								
10								

MO No.: 503-22 Unincorporated ECN(S): 07917 03263

Hose Assembly Technician: Heulebe Date: 11-16-17

Quality Inspector: Chop Date: 11/24/17 Stamp: 



SETUP VERIFICATION DATA SHEET FOR HOSE ASSEMBLIES

No.	PN	REV	SN	Assembly Parts and Tooling Verification (Pass/Fail)	Pneumatic Connections Verification (Pass/Fail)	Hydraulic Oil Level Verification (Pass/Fail)	Visual Inspection of Crimp Tooling (Pass/Fail)	Grease application of Crimp Tooling (Pass/Fail)
1	602-4315	N/C	9797	PASS	PASS	PASS	PASS	PASS
2	602-4315	N/C	9798	PASS	PASS	PASS	PASS	PASS
3								
4								
5								
6								
7								
8								
9								
10								

MO No.: 10B #22 Unincorporated ECN(S): 02917 03263

Hose Assembly Technician: [Signature] Date: 11-15-17

Quality Inspector: [Signature] Date: 11/20/17 Stamp: 



ACCEPTANCE TEST PROCEDURE DATA SHEET FOR HOSE ASSEMBLIES

Acceptance Criteria: All measurement and testing criteria as required per applicable drawing and MPP-165 meet passing requirements and are within tolerances.

No.	PN	REV	SN	Crimp Diameter (Pass/Fail)	Inner Diameter (Pass/Fail)	Hose Length (Pass/Fail)	Visual Exam (Pass/Fail)	Pressure Test (Pass/Fail)
1	602-4314	NC	V1021074	PASS	PASS	PASS	PASS	PASS
2	602-4314	NC	V1021075	PASS	PASS	PASS	PASS	PASS
3	602-4314	NC	V1021076	PASS	PASS	PASS	PASS	PASS
4	602-4314	NC	V1021077	PASS	PASS	PASS	PASS	PASS
5								
6								
7								
8								
9								
10								

MO No.: Job # 2868 Unincorporated ECN(S): 0 - 0 - 0 - 0

Hose Assembly Technician: M. Landin Date: 1/9/2018

Quality Inspector: Paul Wood Date: 1/17/18 Stamp: 



SETUP VERIFICATION DATA SHEET FOR HOSE ASSEMBLIES

No.	PN	REV	SN	Assembly Parts and Tooling Verification (Pass/Fail)	Pneumatic Connections Verification (Pass/Fail)	Hydraulic Oil Level Verification (Pass/Fail)	Visual Inspection of Crimp Tooling (Pass/Fail)	Grease application of Crimp Tooling (Pass/Fail)
1	602.4314	NC	V1021074	PASS	PASS	PASS	PASS	PASS
2	602.4314	NC	V1021075	PASS	PASS	PASS	PASS	PASS
3	602.4314	NC	V1021076	PASS	PASS	PASS	PASS	PASS
4	602.4314	NC	V1021077	PASS	PASS	PASS	PASS	PASS
5								
6								
7								
8								
9								
10								

MO No.: Job # 2868 Unincorporated ECN(S): 0 - 0 - 0 - 0

Hose Assembly Technician: unlandin

Date: 1/9/2018

Quality Inspector: Paul Wood

Date: 1/17/18

Stamp: 



ACCEPTANCE TEST PROCEDURE DATA SHEET FOR HOSE ASSEMBLIES

Acceptance Criteria: All measurement and testing criteria as required per applicable drawing and MPP-165 meet passing requirements and are within tolerances.

No.	PN	REV	SN	Crimp Diameter (Pass/Fail)	Inner Diameter (Pass/Fail)	Hose Length (Pass/Fail)	Visual Exam (Pass/Fail)	Pressure Test (Pass/Fail)
1	602.4311	NC	V1020443	PASS	PASS	PASS	PASS	PASS
2	602.4311	NC	V1020444	PASS	PASS	PASS	PASS	PASS
3	602.4311	NC	V1020445	PASS	PASS	PASS	PASS	PASS
4	602.4311	NC	V1020446	PASS	PASS	PASS	PASS	PASS
5								
6								
7								
8								
9								
10								

MO No.: Job# 2865 Unincorporated ECN(S): 0-0-0-0

Hose Assembly Technician: W. Landin Date: 1/8/2018

Quality Inspector: Paul Wood Date: 1/17/18 Stamp: 



SETUP VERIFICATION DATA SHEET FOR HOSE ASSEMBLIES

No.	PN	REV	SN	Assembly Parts and Tooling Verification (Pass/Fail)	Pneumatic Connections Verification (Pass/Fail)	Hydraulic Oil Level Verification (Pass/Fail)	Visual Inspection of Crimp Tooling (Pass/Fail)	Grease application of Crimp Tooling (Pass/Fail)
1	602.4311	NC	V1020443	PASS	PASS	PASS	PASS	PASS
2	602.4311	NC	V1020444	PASS	PASS	PASS	PASS	PASS
3	602.4311	NC	V1020445	PASS	PASS	PASS	PASS	PASS
4	602.4311	NC	V1020446	PASS	PASS	PASS	PASS	PASS
5								
6								
7								
8								
9								
10								

MO No.: Job # 2865 Unincorporated ECN(S): 0-0-0-0

Hose Assembly Technician: W. Landin Date: 1/8/2018

Quality Inspector: Paul Wood Date: 1/17/18 Stamp: 

ACCEPTANCE TEST PROCEDURE DATA SHEET FOR HOSE ASSEMBLIES

Acceptance Criteria: All measurement and testing criteria as required per applicable drawing and MPP-165 meet passing requirements and are within tolerances.

No.	PN	REV	SN	Crimp Diameter (Pass/Fail)	Inner Diameter (Pass/Fail)	Hose Length (Pass/Fail)	Visual Exam (Pass/Fail)	Pressure Test (Pass/Fail)
1	602.4302	NC	V1016285	PASS	PASS	PASS	PASS	PASS
2	602.4302	NC	V1016286	PASS	PASS	PASS	PASS	PASS
3	602.4302	NC	V1016287	PASS	PASS	PASS	PASS	PASS
4	602.4302	NC	V1016288	PASS	PASS	PASS	PASS	PASS
5	602.4302	NC	V1016289	PASS	PASS	PASS	PASS	PASS
6	602.4302	NC	V1016290	PASS	PASS	PASS	PASS	PASS
7	602.4302	NC	V1016291	PASS	PASS	PASS	PASS	PASS
8	602.4302	NC	V1016292	PASS	PASS	PASS	PASS	PASS
9	602.4302	NC	V1016294	PASS	PASS	PASS	PASS	PASS
10	602.4302	NC	V1016295	PASS	PASS	PASS	PASS	PASS

MO No.: Job # 1296 Unincorporated ECN(S): 0 - 0 - 0 - 0

Hose Assembly Technician: MM Landin Date: 12-14-17

Quality Inspector: [Signature] Date: 12/20/17 Stamp: 16



SETUP VERIFICATION DATA SHEET FOR HOSE ASSEMBLIES

No.	PN	REV	SN	Assembly Parts and Tooling Verification (Pass/Fail)	Pneumatic Connections Verification (Pass/Fail)	Hydraulic Oil Level Verification (Pass/Fail)	Visual Inspection of Crimp Tooling (Pass/Fail)	Grease application of Crimp Tooling (Pass/Fail)
1	602.4302	NC	V1016285	PASS	PASS	PASS	PASS	PASS
2	602.4302	NC	V1016286	PASS	PASS	PASS	PASS	PASS
3	602.4302	NC	V1016287	PASS	PASS	PASS	PASS	PASS
4	602.4302	NC	V1016288	PASS	PASS	PASS	PASS	PASS
5	602.4302	NC	V1016289	PASS	PASS	PASS	PASS	PASS
6	602.4302	NC	V1016290	PASS	PASS	PASS	PASS	PASS
7	602.4302	NC	V1016291	PASS	PASS	PASS	PASS	PASS
8	602.4302	NC	V1016292	PASS	PASS	PASS	PASS	PASS
9	602.4302	NC	V1016294	PASS	PASS	PASS	PASS	PASS
10	602.4302	NC	V1016295	PASS	PASS	PASS	PASS	PASS

MO No.: Job# 1246 Unincorporated ECN(S): 0 - 0 - 0 - 0

Hose Assembly Technician: M. Landin Date: 12-14-17

Quality Inspector: [Signature] Date: 12/20/17 Stamp: 12



ACCEPTANCE TEST PROCEDURE DATA SHEET FOR HOSE ASSEMBLIES

Acceptance Criteria: All measurement and testing criteria as required per applicable drawing and MPP-165 meet passing requirements and are within tolerances.

No.	PN	REV	SN	Crimp Diameter (Pass/Fail)	Inner Diameter (Pass/Fail)	Hose Length (Pass/Fail)	Visual Exam (Pass/Fail)	Pressure Test (Pass/Fail)
1	602.4302	NC	17005	PASS	PASS	PASS	PASS	PASS
2								
3								
4								
5								
6								
7								
8								
9								
10								

MO No.: M30845 Unincorporated ECN(S): _____

Hose Assembly Technician: AM Gordon Date: 8/17/17

Quality Inspector: Uep Date: 8/18/17 Stamp: 



SETUP VERIFICATION DATA SHEET FOR HOSE ASSEMBLIES

No.	PN	REV	SN	Assembly Parts and Tooling Verification (Pass/Fail)	Pneumatic Connections Verification (Pass/Fail)	Hydraulic Oil Level Verification (Pass/Fail)	Visual Inspection of Crimp Tooling (Pass/Fail)	Grease application of Crimp Tooling (Pass/Fail)
1	604.4302	NC	17005	PASS	PASS	PASS	PASS	PASS
2								
3								
4								
5								
6								
7								
8								
9								
10								

MO No.: M 30845 Unincorporated ECN(S):

Hose Assembly Technician: UM Jenden Date: 8/17/17

Quality Inspector: Ugton Date: 8/17/17 Stamp: 

**ACCEPTANCE TEST PROCEDURE DATA SHEET
FOR HOSE ASSEMBLIES**

Acceptance Criteria: All measurement and testing criteria as required per applicable drawing and MPP-165 meet passing requirements and are within tolerances.

No.	PN	REV	SN	Crimp Diameter (Pass/Fail)	Inner Diameter (Pass/Fail)	Hose Length (Pass/Fail)	Visual Exam (Pass/Fail)	Pressure Test (Pass/Fail)
1	602.4301	NC	V1016202	PASS	PASS	PASS	PASS	PASS
2	602.4301	NC	V1016203	PASS	PASS	PASS	PASS	PASS
3	602.4301	NC	V1016204	PASS	PASS	PASS	PASS	PASS
4	602.4301	NC	V1016206	PASS	PASS	PASS	PASS	PASS
5	602.4301	NC	V1016207	PASS	PASS	PASS	PASS	PASS
6	602.4301	NC	V1016208	PASS	PASS	PASS	PASS	PASS
7	602.4301	NC	V1016209	PASS	PASS	PASS	PASS	PASS
8	602.4301	NC	V1016210	PASS	PASS	PASS	PASS	PASS
9	602.4301	NC	V1016211	PASS	PASS	PASS	PASS	PASS
10								

MO No.: Job # 1295 Unincorporated ECN(S): 0 - 0 - 0 - 0

Hose Assembly Technician: M. Randin Date: 12-14-17

Quality Inspector: Ugo Date: 12/19/17 Stamp: 

SETUP VERIFICATION DATA SHEET FOR HOSE ASSEMBLIES

No.	PN	REV	SN	Assembly Parts and Tooling Verification (Pass/Fail)	Pneumatic Connections Verification (Pass/Fail)	Hydraulic Oil Level Verification (Pass/Fail)	Visual Inspection of Crimp Tooling (Pass/Fail)	Grease application of Crimp Tooling (Pass/Fail)
1	602.4301	NC	V1016202	PASS	PASS	PASS	PASS	PASS
2	602.4301	NC	V1016203	PASS	PASS	PASS	PASS	PASS
3	602.4301	NC	V1016204	PASS	PASS	PASS	PASS	PASS
4	602.4301	NC	V1016206	PASS	PASS	PASS	PASS	PASS
5	602.4301	NC	V1016207	PASS	PASS	PASS	PASS	PASS
6	602.4301	NC	V1016208	PASS	PASS	PASS	PASS	PASS
7	602.4301	NC	V1016209	PASS	PASS	PASS	PASS	PASS
8	602.4301	NC	V1016210	PASS	PASS	PASS	PASS	PASS
9	602.4301	NC	V1016211	PASS	PASS	PASS	PASS	PASS
10								

MO No.: Job # 1295 Unincorporated ECN(S) 0 - 0 - 0 - 0

Hose Assembly Technician: M. Landin Date: 12-14-17

Quality Inspector: Uop Date: 12/19/17 Stamp: 

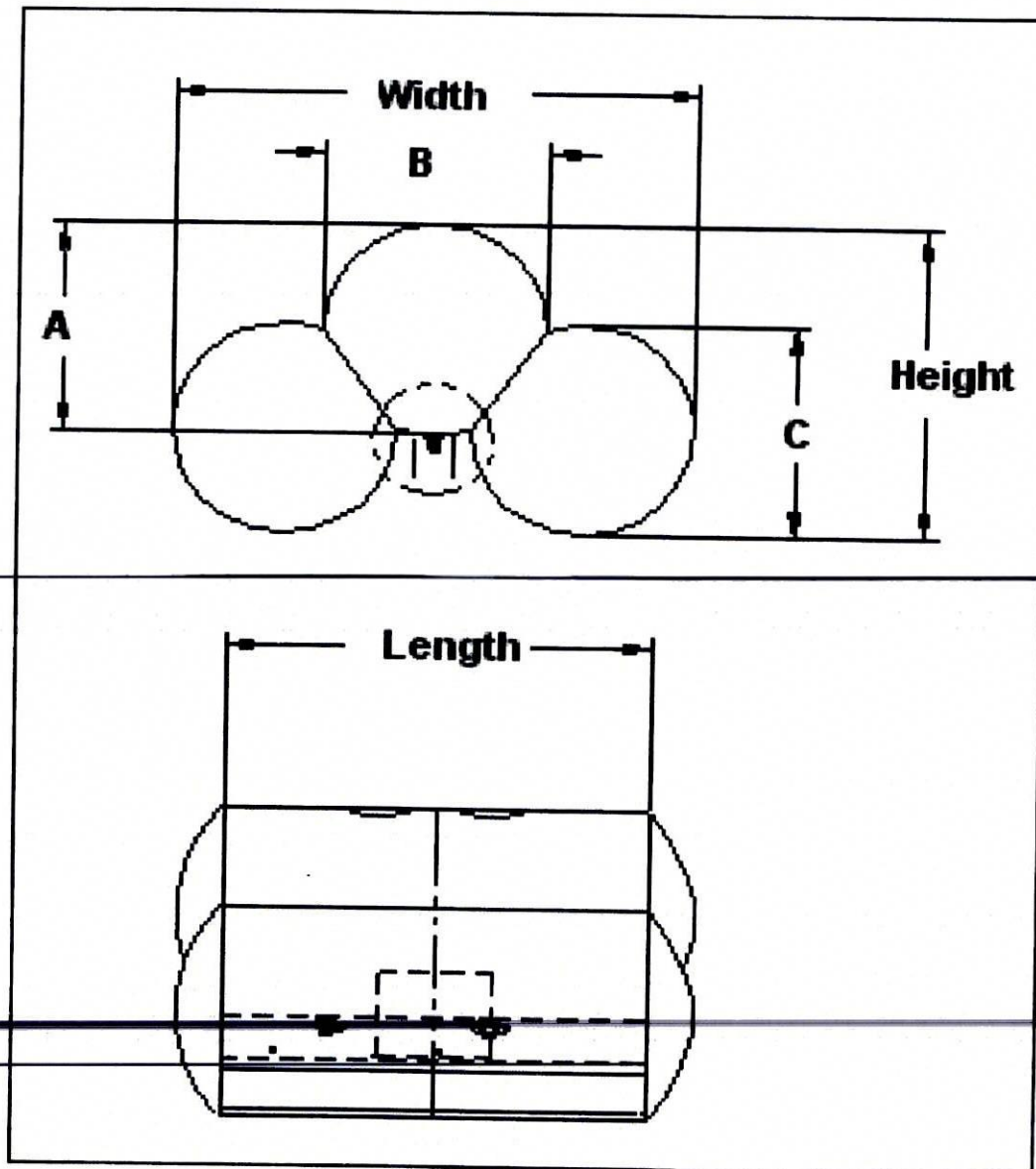


Figure 2: Dimensioning Diagram

P/N: 651-6304

S/N: V1025770

Date: 2/9/18

Stamp:

ATP-086 DATA SHEETS

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REV. H

Correction Factor = 0.247 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = 0.43 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: .143/.123/.133

ACC ☒ REJ ☐

7.0 COMPONENT TRACEABILITY

Hoses, PRV's and ICV's:

PN: <u>601.1447</u>	SN: <u>40670</u>	PN: <u>602.4307</u>	SN: <u>V1020388</u>	PN: <u></u>	SN: <u></u>
PN: <u>601.1447</u>	SN: <u>39148</u>	PN: <u>602.4308</u>	SN: <u>V101646</u>	PN: <u></u>	SN: <u></u>
PN: <u>601.1447</u>	SN: <u>40726</u>	PN: <u>602.4309</u>	SN: <u>V1020438</u>	PN: <u></u>	SN: <u></u>
PN: <u>601.1447</u>	SN: <u>41200</u>	PN: <u>N/A</u>	SN: <u>N/A</u>	PN: <u></u>	SN: <u></u>

8.0 PACKING EXAMINATION

Packing has been inspected to conform to applicable drawing, MPP(s) and specified requirements:

ACC ☒ REJ ☐

The product has been inspected to conform to the acceptance test procedure specified dimensional and air pressure leak test requirements:

YES ☒ NO ☐

QA FINAL APPROVAL RELEASE: Uppr DATE: 2/9/18

P/N: 651.6304 S/N: V1025770 Date: 2/9/18 Stamp: 

ATP-086 DATA SHEETS

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REV. H

5.0 FUNCTIONAL INFLATION TEST

Minimum requirement for pressure per chamber is 1.75 PSIG.

TIME TO INFLATE:	793 sec	PASS	FAIL	N/A
SAFETY FORM COMPLETED		☒	☐	☐
CYLINDER CHARGE AS RECEIVED PSIG:	3.600	☒	☐	☐
CHAMBER 1 PSIG:	2.708	☒	☐	☐
CHAMBER 2 PSIG:	2.708	☒	☐	☐
CHAMBER 3 PSIG:	2.76	☒	☐	☐
CHAMBER 4 PSIG:	2.76	☒	☐	☐

6.0 FINAL LEAKAGE TEST

Final leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☐	☐
START PRESSURES				
DATE: 02/06/18				
TIME: 15:30	2.0	2.0	2.0	2.0
TEMP: 73	PSI	PSI	PSI	PSI
BARO: 29.9				
MEASURED PRESSURES				
DATE: 02/07/18				
TIME: 5:30	1.61	1.61	1.63	1.62
TEMP: 67	PSI	PSI	PSI	PSI
BARO: 30.0				
ACTUAL PRESSURE (measured pressures ± correction factor)	1.857	1.857	1.877	1.867
	PSI	PSI	PSI	PSI

P/N: 651.6304

S/N: V102570

Date: 2/7/18

Stamp:



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REV. H

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Correction Factor = +.033 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = .22 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: .057/.033/.057/.033

ACC ☒ REJ ☐

4.0 FINAL VISUAL & DIMENSIONAL INSPECTION

Final Visual Examination:

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS (>1/4")	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS > 50% INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐
70	MARKING (STENCILS) IAW DWG AND MPP 120	☒	☐
80	GIRT AND DOUBLERS INSTALLATION IAW DRW	☒	☐
90	HOSE(S) AND ICV(S) INSTALLATION IAW DRW	☒	☐

Dimensional Measurement:

Ensure that each chamber is inflated to 2.0 PSI.

Description	ZONE	Drawing DIM ±	Measured DIM
Length (see figure 2):	SH-7	46.0 ± .2	46.50
Width (see figure 2):	SH-7	52.6 ± .2	52.25
Height (see figure 2):	SH-7	30.7 ± .2	30.25
DIM A (other):			
DIM B (other):			
DIM C (other):			
DIM D (other):			
DIM E (other):			

P/N: 651.6304 S/N: V1025770 Date: 2/6/18 Stamp: 

ATP-086 DATA SHEETS

REV. H

Page 2 of 6

2.0 OVER PRESSURE LEAKAGE TESTS

Each Chamber is inflated to 3.75 PSI and after ten (10) min., the change in pressure is less than 0.5 PSI, maximum and there is no damage or lifts per Table 1 above.

CHAMBER	START PRESSURE (PSI)	FINAL PRESSURE (PSI)	DAMAGE OR LIFTS	ACCEPT	REJECT	N/A
1 (FWD)	3.75	3.55	NONE	☒	☐	☒
2	3.75	3.59	NONE	☒	☐	☐
3	3.75	3.56	NONE	☒	☐	☒
4	3.75	3.62	NONE	☒	☐	☐

3.0 PRELIMINARY LEAKAGE TEST

Preliminary leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☐	☐
START PRESSURES				
DATE: 1-31-18				
TIME: 2:00 PM				
TEMP: 77°	2.0 PSI	2.0 PSI	2.0 PSI	2.0 PSI
BARO: 29.91				
MEASURED PRESSURES				
DATE: 1-31-18				
TIME: 3:00 PM				
TEMP: 76°	1.91 PSI	2.01 PSI	1.91 PSI	2.01 PSI
BARO: 29.91				
ACTUAL PRESSURE (measured pressures ± correction factor)	1.94 PSI	2.04 PSI	1.94 PSI	2.04 PSI

P/N: 651.6302 S/N: V1023914 Date: 1-31-18

Stamp:



ATP-086 DATA SHEETS

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REV. H

651.6304
V1025770

*V

FLOAT INFORMATION	
Part Number:	651.6302
Serial Number:	V1023914
Drawing Revision:	NC
Date:	1-31-18
M.O.:	# 3009
P.O.:	
Customer:	
Inspector:	LDC

1.0 VISUAL INSPECTION – PRELIMINARY

The Float conforms to Table I criteria.

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS ($>1/4"$)	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS $> 50\%$ INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐

P/N: 651.6302

S/N: V1023914

Date: 1-31-18

Stamp:



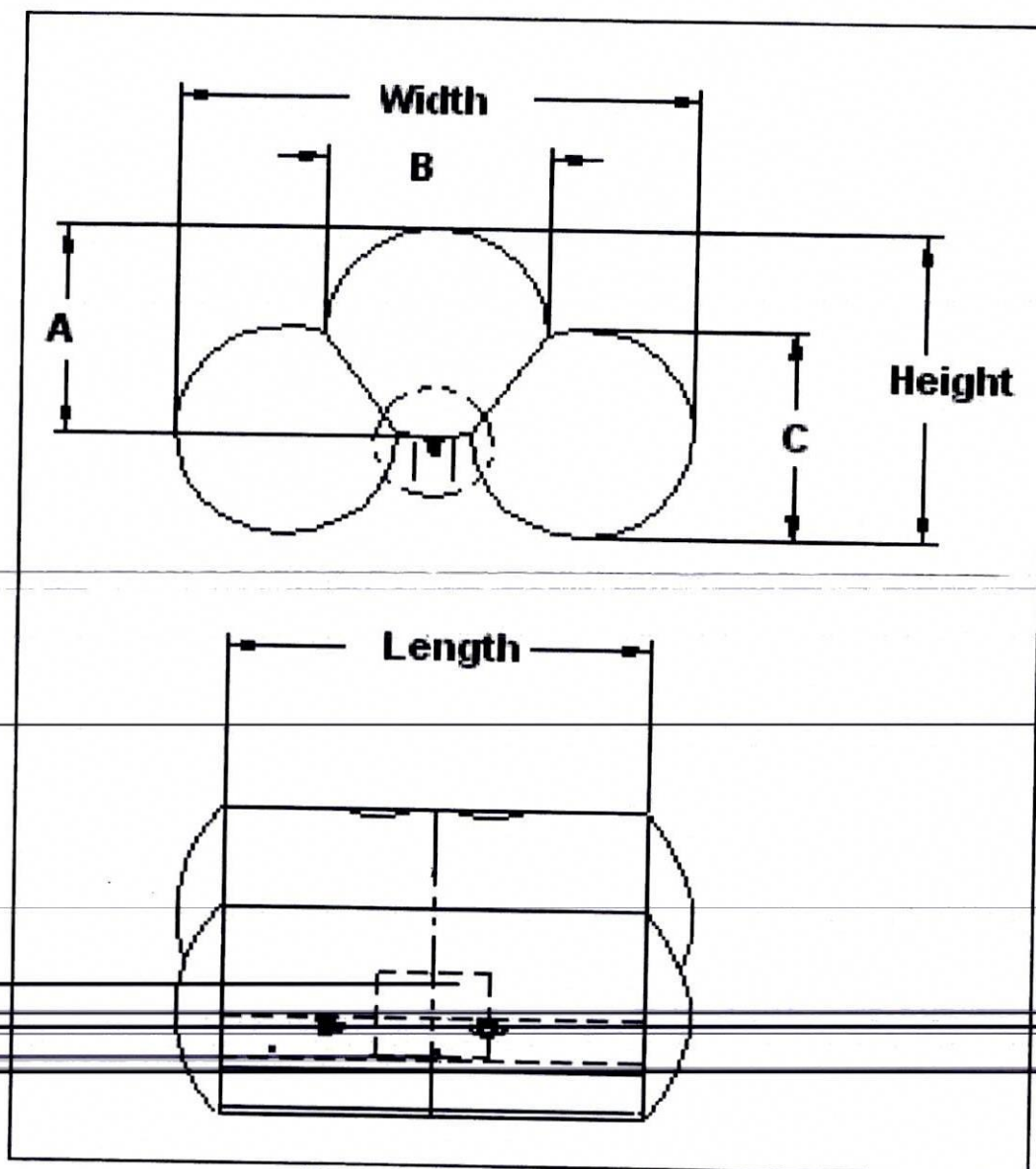


Figure 2: Dimensioning Diagram

P/N: 651.6303

S/N: V1085704

Date: 2/9/18

Stamp: 

ATP-086 DATA SHEETS

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REV. H

Correction Factor = 0.247 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = 0.43 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: 163

ACC ☒ REJ ☐

7.0 COMPONENT TRACEABILITY

Hoses, PRV's and ICV's:

PN: <u>601.1447</u>	SN: <u>25793</u>	PN: <u>602.4309</u>	SN: <u>V1020440</u>	PN:	SN:
PN: <u>601.1447</u>	SN: <u>40769</u>	PN: <u>602.4308</u>	SN: <u>V1016468</u>	PN:	SN:
PN: <u>601.1447</u>	SN: <u>41307</u>	PN: <u>602.4307</u>	SN: <u>V1020391</u>	PN:	SN:
PN: <u>601.1447</u>	SN: <u>40739</u>	PN: <u>N/A</u>	SN: <u>N/A</u>	PN:	SN:

8.0 PACKING EXAMINATION

Packing has been inspected to conform to applicable drawing, MPP(s) and specified requirements:

ACC ☒ REJ ☐

The product has been inspected to conform to the acceptance test procedure specified dimensional and air pressure leak test requirements:

YES ☒ NO ☐

QA FINAL APPROVAL RELEASE: Uopz DATE: 2/9/18

P/N: 651.6303

S/N: V1025704

Date: 2/9/18

Stamp:



ATP-086 DATA SHEETS

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REV. H

5.0 FUNCTIONAL INFLATION TEST

Minimum requirement for pressure per chamber is 1.75 PSIG.

TIME TO INFLATE:	7.93 scs	PASS	FAIL	N/A
SAFETY FORM COMPLETED		☒	☐	☐
CYLINDER CHARGE AS RECEIVED PSIG:	3.600	☒	☐	☐
CHAMBER 1 PSIG:	2.640	☒	☐	☐
CHAMBER 2 PSIG:	2.473	☒	☐	☐
CHAMBER 3 PSIG:	2.470	☒	☐	☐
CHAMBER 4 PSIG:	2.470	☒	☐	☐

6.0 FINAL LEAKAGE TEST

Final leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☐	☐
START PRESSURES				
DATE: 02/06/18				
TIME: 15:30	2.0	2.0	2.0	2.0
TEMP: 73	PSI	PSI	PSI	PSI
BARO: 29.9				
MEASURED PRESSURES				
DATE: 02/07/18				
TIME: 5:30	1.59	1.59	1.59	1.59
TEMP: 67	PSI	PSI	PSI	PSI
BARO: 30.0				
ACTUAL PRESSURE (measured pressures $\pm$ correction factor)	1.837	1.837	1.837	1.837
	PSI	PSI	PSI	PSI

P/N: 651.6303

S/N: V1625704

Date: 2/7/18

Stamp: _____



ATP-086 DATA SHEETS

Page 3 of 6

REV. H

Correction Factor = +0.33 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = .22 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: .033/.037/.038/.02

ACC ☒ REJ ☐

4.0 FINAL VISUAL & DIMENSIONAL INSPECTION

Final Visual Examination:

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS (>1/4")	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS > 50% INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐
70	MARKING (STENCILS) IAW DWG AND MPP 120	☒	☐
80	GIRT AND DOUBLERS INSTALLATION IAW DRW	☒	☐
90	HOSE(S) AND ICV(S) INSTALLATION IAW DRW	☒	☐

Dimensional Measurement:

Ensure that each chamber is inflated to 2.0 PSI.

Description	ZONE	Drawing DIM ±	Measured DIM
Length (see figure 2):	SH17	46.0 ± .2	46.5
Width (see figure 2):	SH17	52.6 ± .2	52.30
Height (see figure 2):	SH17	30.7 ± .2	30.25
DIM A (other):			
DIM B (other):			
DIM C (other):			
DIM D (other):			
DIM E (other):			

P/N: 651.6303

S/N: V1025704

Date: 2/7/18

Stamp:



ATP-086 DATA SHEETS

REV. H

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2.0 OVER PRESSURE LEAKAGE TESTS

Each Chamber is inflated to 3.75 PSI and after ten (10) min., the change in pressure is less than 0.5 PSI, maximum and there is no damage or lifts per Table 1 above.

CHAMBER	START PRESSURE (PSI)	FINAL PRESSURE (PSI)	DAMAGE OR LIFTS	ACCEPT	REJECT	N/A
1 (FWD)	3.75	3.69	NONE	☒	☐	☒
2	3.75	3.53	NONE	☒	☐	☐
3	3.75	3.66	NONE	☒	☐	☐
4	3.75	3.57	NONE	☒	☐	☐

3.0 PRELIMINARY LEAKAGE TEST

Preliminary leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☐	☐
START PRESSURES				
DATE: 1-31-18				
TIME: 2:00 PM	2.0	2.0	2.0	2.0
TEMP: 77°	PSI	PSI	PSI	PSI
BARO: 29.91				
MEASURED PRESSURES				
DATE: 1-31-18				
TIME: 3:00 PM	2.03	1.93	2.00	1.94
TEMP: 76°	PSI	PSI	PSI	PSI
BARO: 29.91				
ACTUAL PRESSURE (measured pressures ± correction factor)	2.06	1.96	2.03	1.97
	PSI	PSI	PSI	PSI

P/N: 651.6301 S/N: 11023864 Date: 1-31-18

Stamp:



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*~

651-6303
V1025704

REV. H

FLOAT INFORMATION	
Part Number:	651.6301
Serial Number:	V1023869
Drawing Revision:	NC
Date:	1-31-18
M.O.:	#3008
P.O.:	
Customer:	BEL SOS #2
Inspector:	LDC

1.0 VISUAL INSPECTION – PRELIMINARY

The Float conforms to Table I criteria.

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS ($>1/4"$)	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS $> 50\%$ INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐

P/N: 651.6301

S/N: V1023869

Date: 1-31-18

Stamp:



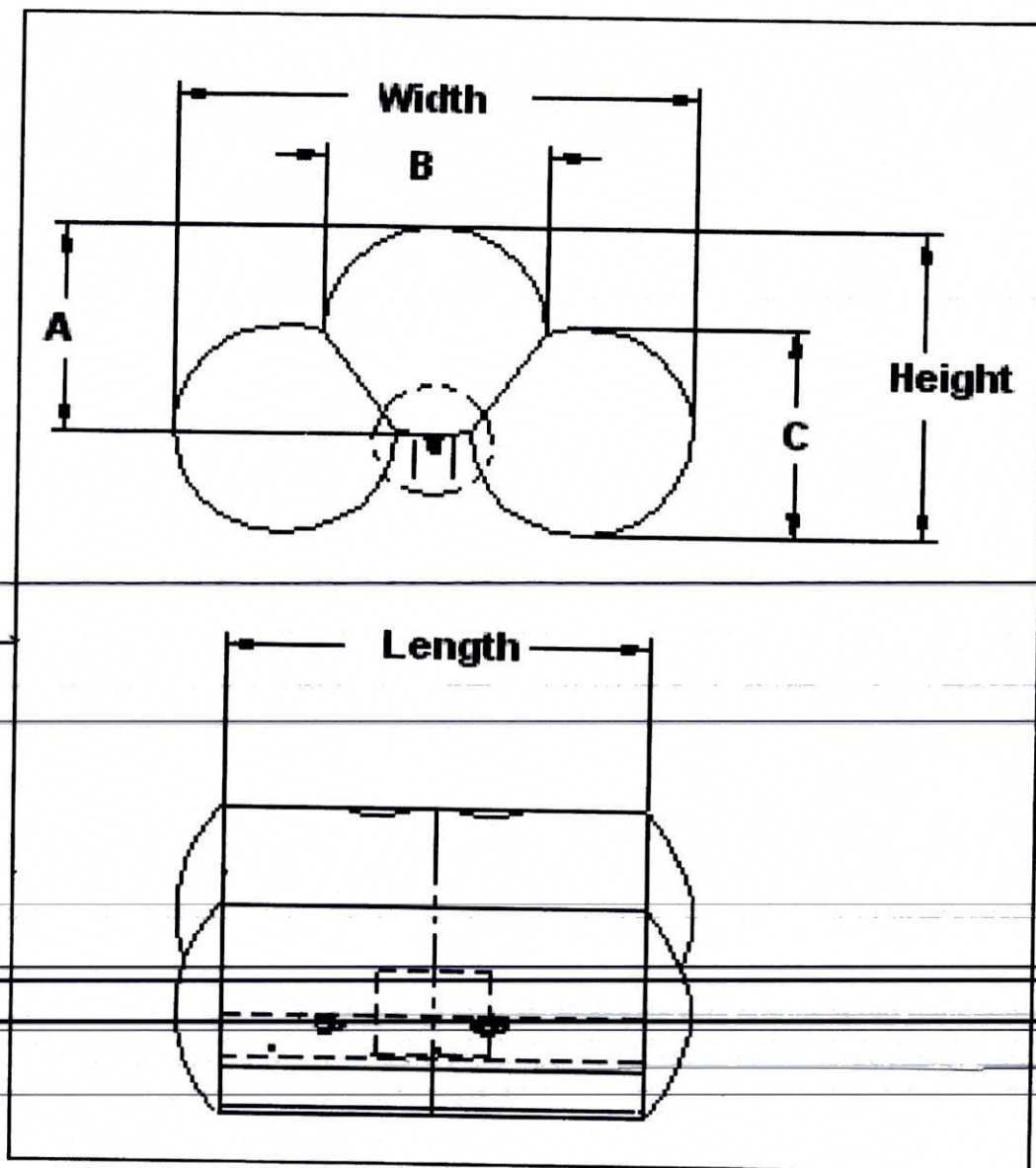


Figure 2: Dimensioning Diagram

P/N: 651.8002 ²⁴ 2/9/18 S/N: V1625528 Date: 2/9/18 Stamp: 

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REV. H

Correction Factor = 0.247 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = 0.43 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: 103

ACC ☒ REJ ☐

7.0 COMPONENT TRACEABILITY

Hoses, PRV's and ICV's:

PN: <u>601.1447</u>	SN: <u>39332</u>	PN:	SN:	PN:	SN:
PN: <u>601.1447</u>	SN: <u>31691</u>	PN:	SN:	PN:	SN:
PN: <u>602.4313</u>	SN: <u>V1021042</u>	PN:	SN:	PN:	SN:
PN: <u>N/A</u>	SN: <u>N/A</u>	PN:	SN:	PN:	SN:

8.0 PACKING EXAMINATION

Packing has been inspected to conform to applicable drawing, MPP(s) and specified requirements:

ACC ☒ REJ ☐

The product has been inspected to conform to the acceptance test procedure specified dimensional and air pressure leak test requirements:

YES ☒ NO ☐

QA FINAL APPROVAL RELEASE: Ugo DATE: 2/9/18

P/N: 651.8002 S/N: V1025528 Date: 2/9/18 Stamp: 

2/9/18 2/9/18

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REV. H

5.0 FUNCTIONAL INFLATION TEST

Minimum requirement for pressure per chamber is 1.75 PSIG.

TIME TO INFLATE:	7.935005	PASS	FAIL	N/A
SAFETY FORM COMPLETED		☒	☐	☐
CYLINDER CHARGE AS RECEIVED PSIG:	3.600	☒	☐	☐
CHAMBER 1 PSIG:	3.627	☒	☐	☐
CHAMBER 2 PSIG:	2.872	☒	☐	☐
CHAMBER 3 PSIG:	N/A	☐	☐	☒
CHAMBER 4 PSIG:	N/A	☐	☐	☒

6.0 FINAL LEAKAGE TEST

Final leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☒	☒
START PRESSURES				
DATE: 02/06/18				
TIME: 15:30	2.0	2.0		
TEMP: 73	PSI	PSI	PSI	PSI
BARO: 29.9				
MEASURED PRESSURES				
DATE: 02/07/18				
TIME: 5:30	1.65	1.65		
TEMP: 67	PSI	PSI	PSI	PSI
BARO: 30.0				
ACTUAL PRESSURE (measured pressures ± correction factor)	1.897	1.897		
	PSI	PSI	PSI	PSI

P/N: 651.8002

S/N: V1025528

Date: 2/7/18

Stamp:



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REV. H

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Correction Factor = -0.033 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = 0.22 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: 0.33/0.33

ACC ☒ REJ ☐

4.0 FINAL VISUAL & DIMENSIONAL INSPECTION

Final Visual Examination:

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS (>1/4")	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS > 50% INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐
70	MARKING (STENCILS) IAW DWG AND MPP 120	☒	☐
80	GIRT AND DOUBLERS INSTALLATION IAW DRW	☒	☐
90	HOSE(S) AND ICV(S) INSTALLATION IAW DRW	☒	☐

Dimensional Measurement:

Ensure that each chamber is inflated to 2.0 PSI.

Description	ZONE	Drawing DIM ±	Measured DIM
Length (see figure 2):	SH15	28.00	28.125
Width (see figure 2):	SH12	53.53 ± 2.00	52.75
Height (see figure 2):	SH13	31.00 ± 2.50	29.00
DIM A (other):			
DIM B (other):			
DIM C (other):			
DIM D (other):			
DIM E (other):			

P/N: 651.8002 S/N: V1025528 Date: 2/6/18 Stamp: 

2.0 OVER PRESSURE LEAKAGE TESTS

Each Chamber is inflated to 3.75 PSI and after ten (10) min., the change in pressure is less than 0.5 PSI, maximum and there is no damage or lifts per Table 1 above.

CHAMBER	START PRESSURE (PSI)	FINAL PRESSURE (PSI)	DAMAGE OR LIFTS	ACCEPT	REJECT	N/A
1 (FWD)	3.75	3.60	NONE	☒	☐	☒
2	3.75	3.63	NONE	☒	☐	☐
3				☐	☐	☒
4				☐	☐	☒

3.0 PRELIMINARY LEAKAGE TEST

Preliminary leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☒	☒
START PRESSURES				
DATE: 1-30-18				
TIME: 9:00 AM				
TEMP: 73°	2.0 PSI	2.0 PSI	PSI	PSI
BARO: 30.05				
MEASURED PRESSURES				
DATE: 1-30-18				
TIME: 10:00 AM	2.00 PSI	2.00 PSI	PSI	PSI
TEMP: 74°				
BARO: 30.07				
ACTUAL PRESSURE (measured pressures ± correction factor)	1.97 PSI	1.97 PSI	PSI	PSI

P/N: 651.8004 S/N: V1024013 Date: 1-30-18



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REV. H

FLOAT INFORMATION	
Part Number:	651.8004
Serial Number:	V1024013
Drawing Revision:	NC
Date:	1-30-18
M.O.:	# 3019
P.O.:	
Customer:	Bell 505 #2
Inspector:	LDC

1.0 VISUAL INSPECTION – PRELIMINARY

The Float conforms to Table I criteria.

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS (>1/4")	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS > 50% INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐

P/N: 651.8004 S/N: V1024013 Date: 1-30-18

Stamp:



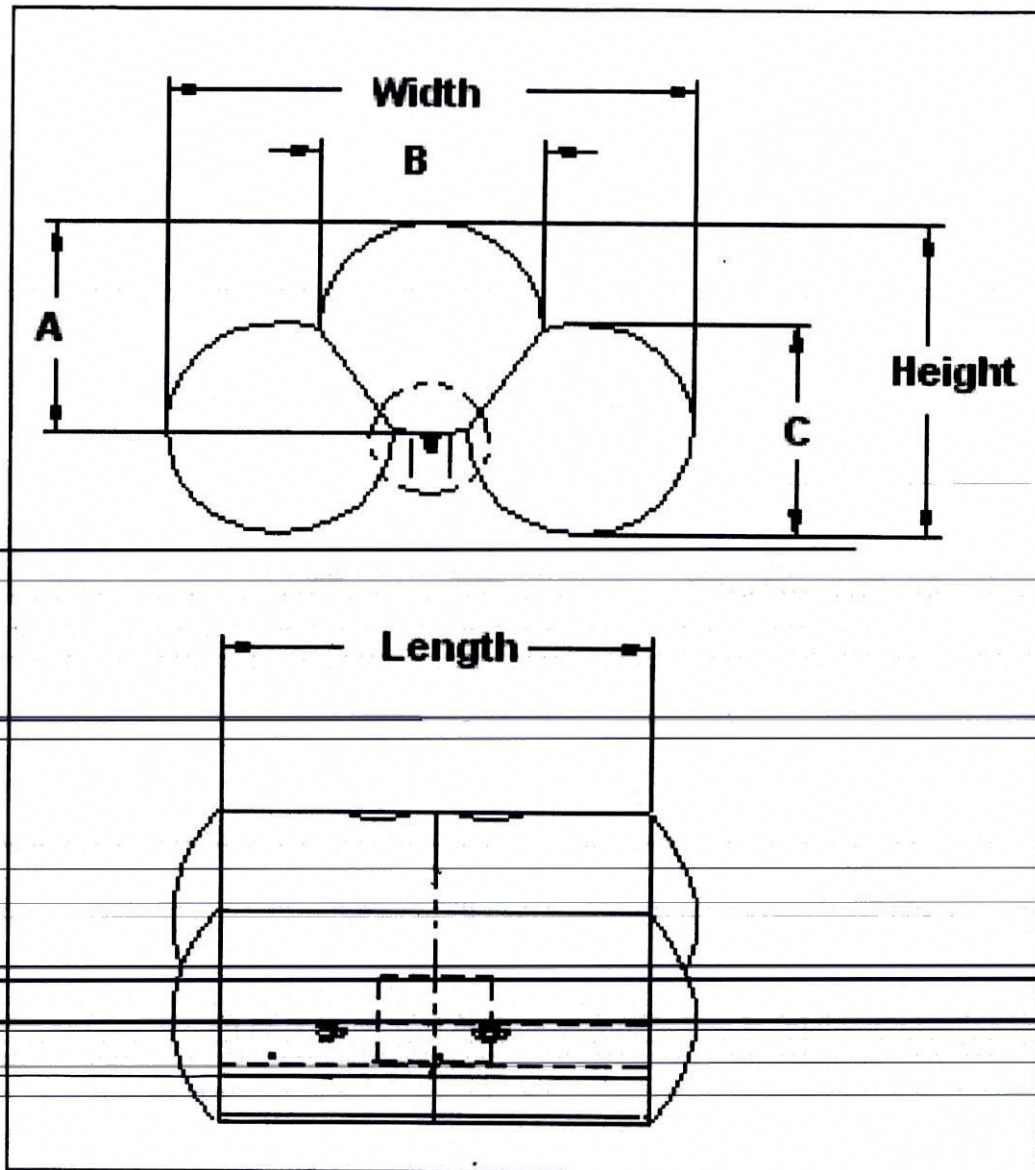


Figure 2: Dimensioning Diagram

P/N: 651.8001 S/N: V1025578 Date: 2/9/18 Stamp: 

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REV. H

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Correction Factor = 0.247 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = 0.43 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: .223/.163

ACC ☒ REJ ☐

7.0 COMPONENT TRACEABILITY

Hoses, PRV's and ICV's:

PN: <u>601.1447</u>	SN: <u>40746</u>	PN: <u>/</u>	SN: <u>/</u>	PN: <u>/</u>	SN: <u>/</u>
PN: <u>601.1447</u>	SN: <u>40674</u>	PN: <u>/</u>	SN: <u>/</u>	PN: <u>/</u>	SN: <u>/</u>
PN: <u>602.4313</u>	SN: <u>V1021041</u>	PN: <u>/</u>	SN: <u>/</u>	PN: <u>/</u>	SN: <u>/</u>
PN: <u>N/A</u>	SN: <u>N/A</u>	PN: <u>/</u>	SN: <u>/</u>	PN: <u>/</u>	SN: <u>/</u>

8.0 PACKING EXAMINATION

Packing has been inspected to conform to applicable drawing, MPP(s) and specified requirements:

ACC ☒ REJ ☐

The product has been inspected to conform to the acceptance test procedure specified dimensional and air pressure leak test requirements:

YES ☒ NO ☐

QA FINAL APPROVAL RELEASE: Uly DATE: 2/9/18

P/N: 651.8001

S/N: V1025578

Date: 2/9/15

Stamp: 

ATP-086 DATA SHEETS

REV. H

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5.0 FUNCTIONAL INFLATION TEST

Minimum requirement for pressure per chamber is 1.75 PSIG.

TIME TO INFLATE:	793 sec	PASS	FAIL	N/A
SAFETY FORM COMPLETED		☒	☐	☐
CYLINDER CHARGE AS RECEIVED PSIG:	3.600	☒	☐	☐
CHAMBER 1 PSIG:	3.641	☒	☐	☐
CHAMBER 2 PSIG:	3.333	☒	☐	☐
CHAMBER 3 PSIG:	N/A	☐	☐	☒
CHAMBER 4 PSIG:	N/A	☐	☐	☒

6.0 FINAL LEAKAGE TEST

Final leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☒	☒
START PRESSURES				
DATE: 02/06/18				
TIME: 15:30	2.0	2.0		
TEMP: 73	PSI	PSI	PSI	PSI
BARO: 29.9				
MEASURED PRESSURES				
DATE: 02/07/18				
TIME: 5:30	1.53	1.59		
TEMP: 67	PSI	PSI	PSI	PSI
BARO: 30.0				
ACTUAL PRESSURE (measured pressures $\pm$ correction factor)	1.777	1.837		
	PSI	PSI	PSI	PSI

P/N: 651-8001 S/N: V1025578 Date: 2/7/18 Stamp: 

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REV. H

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Correction Factor = -0.033 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = .22 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: 0.43 / 0.083

ACC ☒ REJ ☐

4.0 FINAL VISUAL & DIMENSIONAL INSPECTION

Final Visual Examination:

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS (>1/4")	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS > 50% INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐
70	MARKING (STENCILS) IAW DWG AND MPP 120	☒	☐
80	GIRT AND DOUBLERS INSTALLATION IAW DRW	☒	☐
90	HOSE(S) AND ICV(S) INSTALLATION IAW DRW	☒	☐

Dimensional Measurement:

Ensure that each chamber is inflated to 2.0 PSI.

Description	ZONE	Drawing DIM ±	Measured DIM
Length (see figure 2):	SH1	28.00	28.00
Width (see figure 2):	SH13	53.53 ± 2.00	52.70
Height (see figure 2):	SH13	31.00 ± 2.50	29.00
DIM A (other):			
DIM B (other):			
DIM C (other):			
DIM D (other):			
DIM E (other):			

P/N: 651-8001

S/N: V1025578

Date: 2/7/18

Stamp: _____



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REV. H

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2.0 OVER PRESSURE LEAKAGE TESTS

Each Chamber is inflated to 3.75 PSI and after ten (10) min., the change in pressure is less than 0.5 PSI, maximum and there is no damage or lifts per Table 1 above.

CHAMBER	START PRESSURE (PSI)	FINAL PRESSURE (PSI)	DAMAGE OR LIFTS	ACCEPT	REJECT	N/A
1 (FWD)	3.75	3.63	NONE	☒	☐	☒
2	3.75	3.59	NONE	☒	☐	☐
3				☐	☐	☒
4				☐	☐	☒

3.0 PRELIMINARY LEAKAGE TEST

Preliminary leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☒	☒
START PRESSURES				
DATE: 1-30-18				
TIME: 9:00AM	2.0	2.0		
TEMP: 73	PSI	PSI	PSI	PSI
BARO: 30.05				
MEASURED PRESSURES				
DATE: 1-30-18				
TIME: 10:00AM	1.99	1.95		
TEMP: 74°	PSI	PSI	PSI	PSI
BARO: 30.07				
ACTUAL PRESSURE (measured pressures ± correction factor)	1.96	1.92		
	PSI	PSI	PSI	PSI

P/N: 651.8003 S/N: V1023938 Date: 1-30-18

Stamp:



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651.8001

REV. H

V1025578

#2

FLOAT INFORMATION	
Part Number:	651,8003
Serial Number:	V1023938
Drawing Revision:	NC
Date:	1-30-18
M.O.:	# 3018
P.O.:	
Customer:	B&B 505 #2
Inspector:	LDC

1.0 VISUAL INSPECTION – PRELIMINARY

The Float conforms to Table I criteria.

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS ($>1/4"$)	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS $> 50\%$ INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐

P/N: 651.8003 S/N: V1023938 Date: 1-30-18

Stamp:



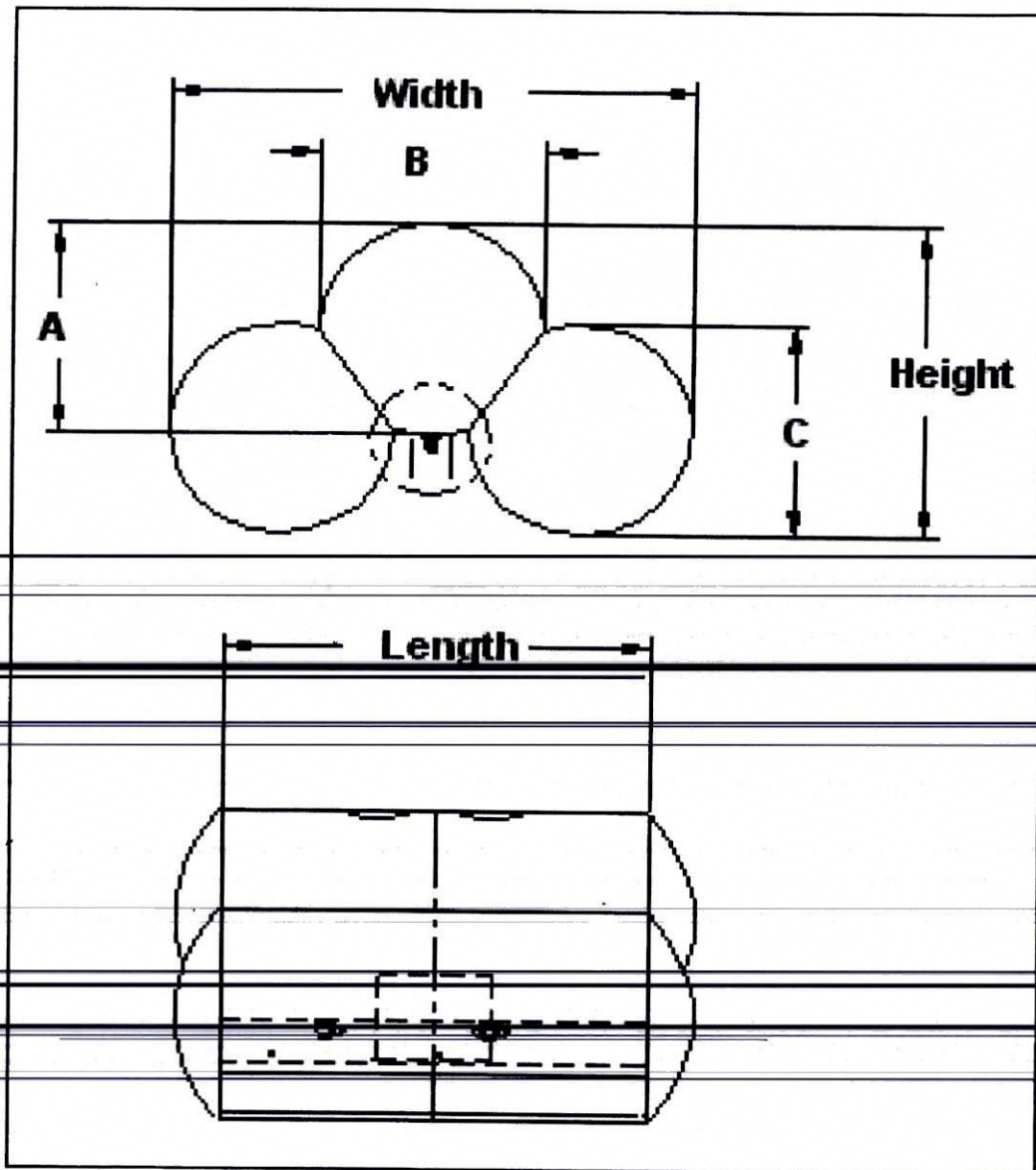


Figure 2: Dimensioning Diagram

P/N: 651.8802

S/N: V1025952

Date: 2/9/18

Stamp:



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REV. H

Correction Factor = 0.247 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = 0.43 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: 1.93 / 1.03
ACC ☒ REJ ☐

7.0 COMPONENT TRACEABILITY

Hoses, PRV's and ICV's:

PN: <u>601.1447</u>	SN: <u>29904</u>	PN: <u> </u>	SN: <u> </u>	PN: <u> </u>	SN: <u> </u>
PN: <u>601.1447</u>	SN: <u>34284</u>	PN: <u> </u>	SN: <u> </u>	PN: <u> </u>	SN: <u> </u>
PN: <u>602.4312</u>	SN: <u>V1021014</u>	PN: <u> </u>	SN: <u> </u>	PN: <u> </u>	SN: <u> </u>
PN: <u>N/A</u>	SN: <u>N/A</u>	PN: <u> </u>	SN: <u> </u>	PN: <u> </u>	SN: <u> </u>

8.0 PACKING EXAMINATION

Packing has been inspected to conform to applicable drawing, MPP(s) and specified requirements:

ACC ☒ REJ ☐

The product has been inspected to conform to the acceptance test procedure specified dimensional and air pressure leak test requirements:

YES ☒ NO ☐

QA FINAL APPROVAL RELEASE: Ugoff DATE: 2/9/18

P/N: 651.8802 S/N: V1025952 Date: 2/9/18 Stamp: 

ATP-086 DATA SHEETS

REV. H

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5.0 FUNCTIONAL INFLATION TEST

Minimum requirement for pressure per chamber is 1.75 PSIG.

TIME TO INFLATE:	793 sccs	PASS	FAIL	N/A
SAFETY FORM COMPLETED		☒	☐	☐
CYLINDER CHARGE AS RECEIVED PSIG:	3.600	☒	☐	☐
CHAMBER 1 PSIG:	4.157	☒	☐	☐
CHAMBER 2 PSIG:	4.080	☒	☐	☐
CHAMBER 3 PSIG:	N/A	☐	☐	☒
CHAMBER 4 PSIG:	N/A	☐	☐	☒

6.0 FINAL LEAKAGE TEST

Final leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☒	☒
START PRESSURES				
DATE: 02/06/18				
TIME: 15:30	2.0 PSI	2.0 PSI	PSI	PSI
TEMP: 73				
BARO: 29.9				
MEASURED PRESSURES				
DATE: 02/07/18				
TIME: 5:30	1.56 PSI	1.65 PSI	PSI	PSI
TEMP: 67				
BARO: 30.0				
ACTUAL PRESSURE (measured pressures $\pm$ correction factor)	1.807 PSI	1.897 PSI	PSI	PSI

P/N: 651.8802
651.6304
2/14/18

S/N: V1025952

Date: 2/7/18

Stamp:



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REV. H

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Correction Factor = +0.33 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = .22 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: .097/.033
ACC ☒ REJ ☐

4.0 FINAL VISUAL & DIMENSIONAL INSPECTION

Final Visual Examination:

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS (>1/4")	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS > 50% INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐
70	MARKING (STENCILS) IAW DWG AND MPP 120	☒	☐
80	GIRT AND DOUBLERS INSTALLATION IAW DRW	☒	☐
90	HOSE(S) AND ICV(S) INSTALLATION IAW DRW	☒	☐

Dimensional Measurement:

Ensure that each chamber is inflated to 2.0 PSI.

Description	ZONE	Drawing DIM ±	Measured DIM
Length (see figure 2):	SH76	43.01 ± 2.00	43.125
Width (see figure 2):	SH73	46.18 ± 2.00	44.75
Height (see figure 2):	SH73	28.62 ± 1.50	27.35
DIM A (other):			
DIM B (other):			
DIM C (other):			
DIM D (other):			
DIM E (other):			

P/N: 651.8802

S/N: V1025952

Date: 2/6/18

Stamp:



ATP-086 DATA SHEETS

REV. H

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2.0 OVER PRESSURE LEAKAGE TESTS

Each Chamber is inflated to 3.75 PSI and after ten (10) min., the change in pressure is less than 0.5 PSI, maximum and there is no damage or lifts per Table 1 above.

CHAMBER	START PRESSURE (PSI)	FINAL PRESSURE (PSI)	DAMAGE OR LIFTS	ACCEPT	REJECT	N/A
1 (FWD)	3.75	3.54	NONE	☒	☐	☒
2	3.75	3.53	NONE	☒	☐	☐
3				☐	☐	☒
4				☐	☐	☒

3.0 PRELIMINARY LEAKAGE TEST

Preliminary leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☒	☒
START PRESSURES				
DATE: 1-31-18				
TIME: 2:00 PM	2.0 PSI	2.0 PSI	PSI	PSI
TEMP: 77°				
BARO: 29.91				
MEASURED PRESSURES				
DATE: 1-31-18				
TIME: 3:00 PM	1.87 PSI	2.00 PSI	PSI	PSI
TEMP: 76°				
BARO: 29.91				
ACTUAL PRESSURE (measured pressures ± correction factor)	1.90 PSI	2.03 PSI	PSI	PSI

P/N: 651.8804 S/N: 11023994 Date: 1-31-18 Stamp: _____

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651.8802

REV. H

#2

V1023952

FLOAT INFORMATION	
Part Number:	651.8804
Serial Number:	V1023994
Drawing Revision:	NC
Date:	1-31-18
M.O.:	# 3024
P.O.:	
Customer:	BELL 505 #2
Inspector:	LDC

1.0 VISUAL INSPECTION – PRELIMINARY

The Float conforms to Table I criteria.

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS (>1/4")	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS > 50% INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐

P/N: 651.8804 S/N: V1023994 Date: 1-31-18

Stamp: _____



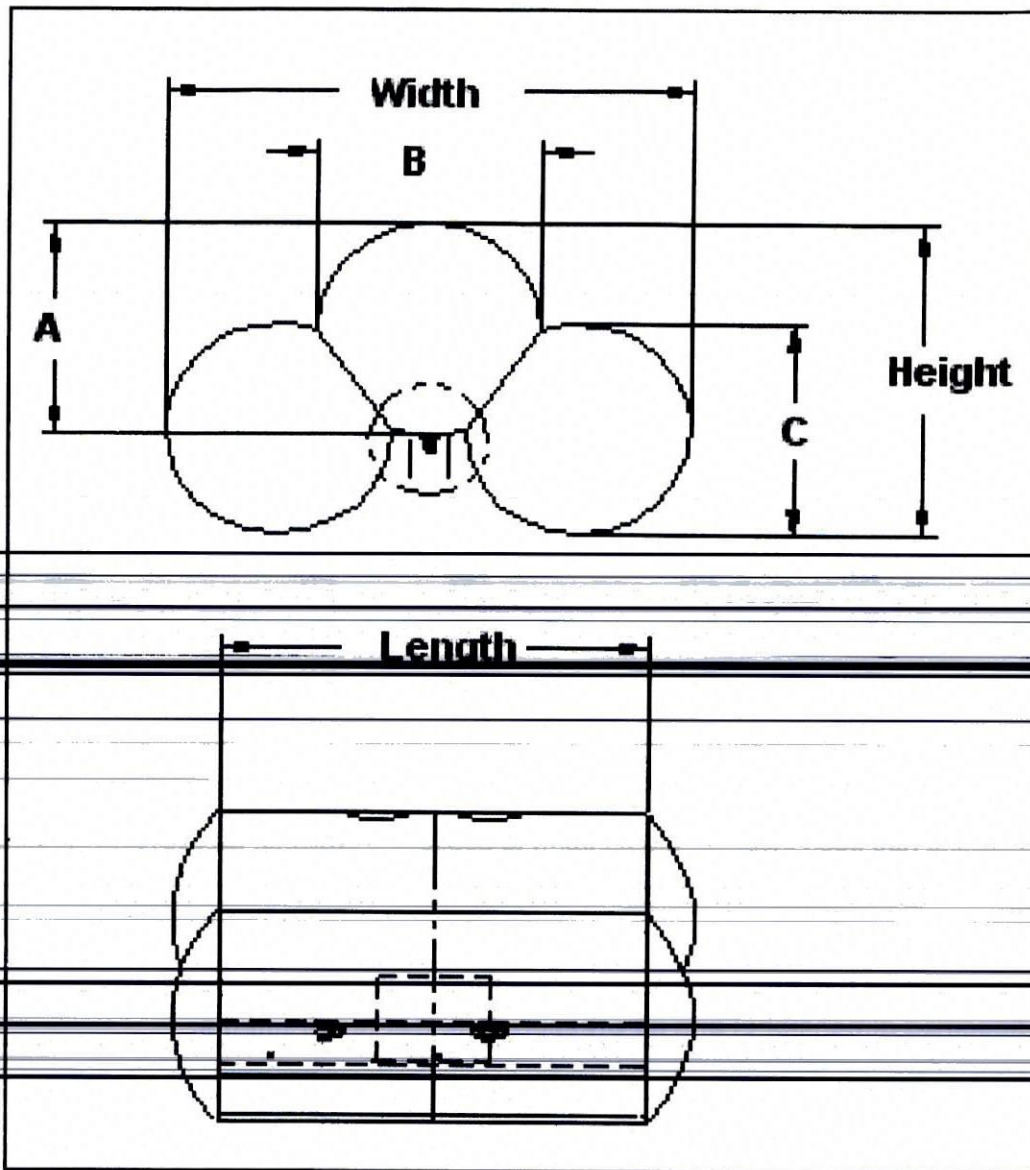


Figure 2: Dimensioning Diagram

P/N: 651.8801

S/N: V1025882

Date: 2/9/18

Stamp: _____



ATP-086 DATA SHEETS

REV. H

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Correction Factor = 0.247 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = 0.43 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: .153

ACC ☒ REJ ☐

7.0 COMPONENT TRACEABILITY

Hoses, PRV's and ICV's:

PN: <u>601.1447</u>	SN: <u>35872</u>	PN: <u>/</u>	SN: <u>/</u>	PN: <u>/</u>	SN: <u>/</u>
PN: <u>601.1447</u>	SN: <u>40803</u>	PN: <u>/</u>	SN: <u>/</u>	PN: <u>/</u>	SN: <u>/</u>
PN: <u>602.4312</u>	SN: <u>V1021013</u>	PN: <u>/</u>	SN: <u>/</u>	PN: <u>/</u>	SN: <u>/</u>
PN: <u>N/A</u>	SN: <u>N/A</u>	PN: <u>/</u>	SN: <u>/</u>	PN: <u>/</u>	SN: <u>/</u>

8.0 PACKING EXAMINATION

Packing has been inspected to conform to applicable drawing, MPP(s) and specified requirements:

ACC ☒ REJ ☐

The product has been inspected to conform to the acceptance test procedure specified dimensional and air pressure leak test requirements:

YES ☒ NO ☐

QA FINAL APPROVAL RELEASE: Vopm DATE: 2/9/18

P/N: 651.8801 S/N: V1025882 Date: 2/9/18 Stamp: 

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5.0 FUNCTIONAL INFLATION TEST

Minimum requirement for pressure per chamber is 1.75 PSIG.

TIME TO INFLATE:	7.93 scs	PASS	FAIL	N/A
SAFETY FORM COMPLETED		☒	☐	☐
CYLINDER CHARGE AS RECEIVED PSIG:	3.600	☒	☐	☐
CHAMBER 1 PSIG:	3.860	☒	☐	☐
CHAMBER 2 PSIG:	3.837	☒	☐	☐
CHAMBER 3 PSIG:	N/A	☐	☐	☒
CHAMBER 4 PSIG:	N/A	☐	☐	☒

6.0 FINAL LEAKAGE TEST

Final leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☒	☒
START PRESSURES				
DATE: 02/06/18				
TIME: 15:30	2.0	2.0		
TEMP: 73	PSI	PSI	PSI	PSI
BARO: 29.9				
MEASURED PRESSURES				
DATE: 02/07/18				
TIME: 5:30	1.60	1.60		
TEMP: 67	PSI	PSI	PSI	PSI
BARO: 30.0				
ACTUAL PRESSURE (measured pressures ± correction factor)	1.847	1.847		
	PSI	PSI	PSI	PSI

P/N: 651.8801

S/N: V1025882

Date: 2/7/18

Stamp:



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Correction Factor = +0.033 PSI (see section 5.3 (c) for calculation instruction)

Maximum allowable pressure drop = 1.22 PSI (see Table 2 or Figure 1)

After determining the actual pressure (see section 5.2), the float chamber(s) PSI drop are: 0.171

ACC ☒ REJ ☐

4.0 FINAL VISUAL & DIMENSIONAL INSPECTION

Final Visual Examination:

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS (>1/4")	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS > 50% INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐
70	MARKING (STENCILS) IAW DWG AND MPP 120	☒	☐
80	GIRT AND DOUBLERS INSTALLATION IAW DRW	☒	☐
90	HOSE(S) AND ICV(S) INSTALLATION IAW DRW	☒	☐

Dimensional Measurement:

Ensure that each chamber is inflated to 2.0 PSI.

Description	ZONE	Drawing DIM ±	Measured DIM
Length (see figure 2):	SHT 6	43.01 ± 2.00	43.00
Width (see figure 2):	SHT 3	46.18 ± 2.00	44.25
Height (see figure 2):	SHT 3	28.62 ± 1.50	27.25
DIM A (other):			
DIM B (other):			
DIM C (other):			
DIM D (other):			
DIM E (other):			

P/N: 651-8801

S/N: V1025882

Date: 2/6/18

Stamp: 

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2.0 OVER PRESSURE LEAKAGE TESTS

Each Chamber is inflated to 3.75 PSI and after ten (10) min., the change in pressure is less than 0.5 PSI, maximum and there is no damage or lifts per Table 1 above.

CHAMBER	START PRESSURE (PSI)	FINAL PRESSURE (PSI)	DAMAGE OR LIFTS	ACCEPT	REJECT	N/A
1 (FWD)	3.75	3.55	NONE	☒	☐	☒
2	3.75	3.57	NONE	☒	☐	☐
3				☐	☐	☒
4				☐	☐	☒

3.0 PRELIMINARY LEAKAGE TEST

Preliminary leakage test results:

	CHAMBERS			
	FWD	MID/AFT	MID/AFT	AFT
N/A	☒	☐	☒	☒
START PRESSURES				
DATE: 1-31-18				
TIME: 2:00 PM	2.0	2.0		
TEMP: 77°	PSI	PSI	PSI	PSI
BARO: 29.91				
MEASURED PRESSURES				
DATE: 1-31-18				
TIME: 3:00 PM	1.95	2.00		
TEMP: 76°	PSI	PSI	PSI	PSI
BARO: 29.91				
ACTUAL PRESSURE (measured pressures ± correction factor)	1.98	2.03		
	PSI	PSI	PSI	PSI

P/N: 651 8803

S/N: V1023972 Date: 1-31-18

Stamp:



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#2

651.8801
V1025882

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FLOAT INFORMATION	
Part Number:	651.8803
Serial Number:	V1023972
Drawing Revision:	NC
Date:	1-31-18
M.O.:	# 3023
P.O.:	
Customer:	BAL 505 #2
Inspector:	LDC

1.0 VISUAL INSPECTION – PRELIMINARY

The Float conforms to Table I criteria.

EXAM	DESCRIPTION	ACC	REJ
10	SEAM SEPARATION	☒	☐
20	COATING IS ABRADED OR DAMAGED	☒	☐
30	LARGE AIR POCKETS IN CEMENTED AREAS (>1/4")	☒	☐
40	EDGE LIFTS	☒	☐
50	WRINKLES IN SEAMS > 50% INTO THE CONTACT AREA, (MAXIMUM ALLOWABLE IS ONE PER INCH)	☒	☐
60	BLISTERS OR PINHOLES IN FABRIC COATING	☒	☐

P/N: 651.8803 S/N: V1023972 Date: 1-31-18

Stamp:



1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE Form One				3. Form Tracking Number: SO2106-2	
4. Organizations Name and Address: Dart Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario, K6A 1K7, CANADA Tel: 1 (613) 632-5200 Fax: 1 (613) 632-5246 www.dartaero.com						5. Work Order/Contract/Invoice 4501041142	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:		
1	Bell 505 Emergency Float System	651.6001	1	S042017 (VI026955)	Prototype		
12. Remarks: <u>"NOT ELIGIBLE FOR INSTALLATION ON IN-SERVICE TYPE CERTIFIED AIRCRAFT"</u> <u>"THIS ITEM CONFORMS TO DATA THAT IS NOT APPROVED AT THE TIME OF RELEASE, SUBJECT TO APPROVAL OF THE DATA, THE ITEM IS IN CONDITION FOR SAFE OPERATION."</u>							
13a. Certifies that the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☒ Non-approved design data specified in Block 12.				14a. ☐ CAR 571.10 Maintenance Release ☐ Other regulations specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, has been performed in compliance with the <i>Canadian Aviation Regulations</i> .			
13b. Signature 		13c. Approval Organization Number 9-89		14b. Signature		14c. Approved Organization Number	
13d. Name Eric Downing		13e. Date (dd/mm/yyyy): 15/Feb/2018		14d. Name		14e. Date (dd/mm/yyyy):	
30 Dec 2008(Previously form 24-0078)							
Installer Responsibilities This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.							

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE Form One				3. Form Tracking Number: SO2106-2a	
4. Organizations Name and Address: Dart Aerospace Ltd., 1270 Aberdeen Street, Hawkesbury, Ontario, K6A 1K7, CANADA Tel: 1 (613) 632-5200 Fax: 1 (613) 632-5246 www.dartaero.com						5. Work Order/Contract/Invoice 4501041142	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:		
1	Bell 505 Emergency Float System	651.6001	1	S042017 (VI026955)	Prototype		
12. Remarks: <u>"NOT ELIGIBLE FOR INSTALLATION ON IN-SERVICE TYPE CERTIFIED AIRCRAFT"</u> <u>"THIS ITEM CONFORMS TO DATA THAT IS NOT APPROVED AT THE TIME OF RELEASE. SUBJECT TO APPROVAL OF THE DATA, THE ITEM IS IN CONDITION FOR SAFE OPERATION."</u> <u>651.6501 Bell Reservoir Assembly S/N:VI023489</u>							
13a. Certifies that the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☒ Non-approved design data specified in Block 12.				14a. ☐ CAR 571.10 Maintenance Release ☐ Other regulations specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, has been performed in compliance with the <i>Canadian Aviation Regulations</i>.			
13b. Signature 		13c. Approval Organization Number 9-89		14b. Signature		14c. Approved Organization Number	
13d. Name Eric Downing		13e. Date (dd/mm/yyyy): 15/Feb/2018		14d. Name		14e. Date (dd/mm/yyyy):	
30 Dec 2008(Previously form 24-0078)							
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